

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	11	384/549.ccls. and (roller with ball)	USPAT	OR	OFF	2008/04/12 22:44
L2	78	384/549-599.ccls. and (ball with housing)	USPAT	OR	OFF	2008/04/12 22:46
L3	0	384/129.ccls. and (ball with housing)	USPAT	OR	OFF	2008/04/12 22:50
S1	12	US-6492615-\$.DID. OR US-6160240-\$.DID. OR US-5902499-\$.DID. OR US-5852277-\$.DID. OR US-5788558-\$.DID. OR US-5780807-\$.DID. OR US-5759192-\$.DID. OR US-5421955-\$.DID. OR US-5703340-\$.DID. OR US-5345057-\$.DID. OR US-5073694-\$.DID. OR US-4857691-\$.DID. OR WO-03000157-\$.DID. OR WO-0166036-\$.DID. OR WO-00164374-\$.DID. OR WO-99156907-\$.DID. OR EP-0642729-\$.DID. OR WO-89103274-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/01 13:01
S2	715	(tube near gripper)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/01 13:05
S3	0	((tube near gripper) with crown)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/01 13:06

S4	6	("4553305"   "4936500"   "5228181"   "5481793"   "6443515"   "6477773").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/01 13:10
S5	17	("4323055"   "4496819"   "4511426"   "4694137"   "4702228"   "4891165"   "4994013"   "5073694"   "5405309"   "5620625"   "5713828"   "5904864"   "5921459"   "5968380"   "5997463"   "6163947"   "6196964").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/01 13:13
S6	0	("D381113").URPN.	USPAT	OR	ON	2008/04/01 13:27
S7	0	("D381113").URPN.	USPAT	OR	ON	2008/04/01 13:27
S8	0	("D381113").URPN.	USPAT	OR	ON	2008/04/01 13:27
S9	11	("2711566"   "3944178"   "D182974"   "D243404"   "D247420"   "D286977"   "D296545"   "D296546"   "D305219").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/01 13:27
S10	6	("5536056").URPN.	USPAT	OR	ON	2008/04/01 13:29
S11	52	("3894706").URPN.	USPAT	OR	ON	2008/04/01 18:02
S12	0	("3064986").URPN.	USPAT	OR	ON	2008/04/01 18:29
S13	0	("3064986").URPN.	USPAT	OR	ON	2008/04/01 18:29
S14	0	("2907141").URPN.	USPAT	OR	ON	2008/04/01 18:31

S15	0	("2907141").URPN.	USPAT	OR	ON	2008/04/01 18:31
S16	0	("2907141").URPN.	USPAT	OR	ON	2008/04/01 18:31
S17	0	("2661576").URPN.	USPAT	OR	ON	2008/04/01 18:32
S18	0	("2661576").URPN.	USPAT	OR	ON	2008/04/01 18:32
S19	365	(pipe near gripper)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/01 18:35
S20	74	("1902906"   "20040159467"   "2192805"   "2544639"   "3892148"   "3965987"   "4010600"   "4023449"   "4115911"   "4178817"   "4205423"   "4285408"   "4346629"   "4348920"   "4401000"   "4415193"   "4421179"   "4449596"   "4458768"   "4529045"   "4589503"   "4603464"   "4605077"   "4753300"   "4759239"   "4793422"   "4800968"   "4813493"   "4854383"   "4865135"   "4878546"   "5038871"   "5044232"   "5054550"   "5107940"   "5255751"   "5259275"	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/01 18:40

		"5381867"   "5388651"   "5433279"   "5501286"   "5730471"   "5755296"   "5992801"   "6024181"   "6227587"   "6253861"   "6276450"   "6279662"   "6305649"   "6311792"   "6315051"   "6334376"   "6431029"   "6443241"   "6480811"   "6527047"   "6536520"   "6591916"   "6622796"   "6679333"   "6684737"   "6688398"   "6705405"   "6725938"   "6739397"   "6742584"   "6742596"   "6755097"   "6776070"   "6832658").PN.				
S21	103	("1386908"   "1842638"   "2214194"   "2214429"   "2522444"   "2610690"   "2950639"   "3021739"   "3041901"   "3086413"   "3122811"   "3180186"   "3220245"   "3302496"   "3349455"   "3443291"   "3475038"   "3518903"   "3559739"	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/01 18:43

"3747675"
"3838613"
"3933108"
"3941348"
"3986564"
"4005621"
"4142739"
"4159637"
"4170908"
"4221269"
"4246809"
"4257442"
"4262693"
"4291762"
"4295527"
"4315553"
"4346629"
"4401000"
"4492134"
"4499919"
"4565003"
"4573359"
"4593773"
"4643259"
"4709766"
"4715625"
"4773218"
"4938109"
"4979356"
"5022472"
"5044232"
"5150642"
"5159860"
"5161438"
"5167173"
"5209302"
"5221099"
"5259275"
"5297833"
"5390568"
"5451084"
"5520072"
"5634671"
"5706893"
"5730471"
"5746276"
"5787982"
"5819605"
"5839330"
"5842390"
"5845549"
"5890549"
"5992801"
"6065372"

		"6082224"   "6119772"   "6138529"   "6161617"   "6206096"   "6305720"   "6327938"   "6330911"   "6360633"   "6412554"   "6480811"   "RE31699").PN.				
S22	0	606/01.ccls. and gripper	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/01 22:09
S23	137	606/1.ccls. and gripper	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/01 22:09
S24	108	(pipe near manipulator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/01 22:19
S25	183	((pipe near grip\$3) with rotate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/01 22:21
S26	10	("4631987").URPN.	USPAT	OR	ON	2008/04/01 22:25
S27	23	("4811635").URPN.	USPAT	OR	ON	2008/04/01 22:27
S28	4	("3021739"   "4631987"   "4649777").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/01 22:29
S29	0	((pipe with holder) same (welding with boom) same rotating)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/01 22:36

S30	3	((pipe with holder) same (boom with rotating))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/01 22:37
S31	4	("3327681").URPN.	USPAT	OR	ON	2008/04/01 22:38
S32	49	((pipe with holder) same (weld\$3 with rotating))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/01 22:40
S33	0	("1879346").URPN.	USPAT	OR	ON	2008/04/01 22:45
S34	833	384/549.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/02 09:12
S35	237	384/549.ccls. and roller	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/02 09:13
S36	1	384/549.ccls. and (concave near surface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/02 09:39
S37	2	("3185459").URPN.	USPAT	OR	ON	2008/04/02 09:39
S38	4	("3836103").URPN.	USPAT	OR	ON	2008/04/02 09:40
S39	3	("4605320").URPN.	USPAT	OR	ON	2008/04/02 09:40

S40	42	("1815105" "2493628" "2769199" "2874479" "2881246" "3544713" "3582549" "3694570" "3770888" "3838258" "3949159" "3964382" "3990113" "4003311" "4013829" "4054081" "4054745" "4057838" "4079235" "4357633" "4450486" "4451856" "4503769" "4603391" "4605320" "4612584" "4635492" "4678976" "5029011" "5113249" "5178678" "5291827" "5424846" "5492057" "5569003" "5583647").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/02 09:41
S41	2	("5715068").URPN.	USPAT	OR	ON	2008/04/02 09:42
S42	421	384/49-52.ccls. and (roller)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/02 09:44
S43	176	384/49-52.ccls. and (roller same rotat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/02 09:44



S44	95	384/53-55.ccls. and (roller same rotat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/02 09:50
S45	103	384/57-58.ccls. and (roller same rotat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/02 09:53
S46	138	384/24.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/02 09:57
S47	1764	"285"/\$.ccls. and roller	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/02 10:00
S48	523	"285"/\$.ccls. and (roller with rotat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/02 10:01
S49	1	("4942754").URPN.	USPAT	OR	OFF	2008/04/12 11:28
S50	2	("4185935"   "4191042").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 11:29
S51	1	("2399446").URPN.	USPAT	OR	OFF	2008/04/12 11:30
S52	4	("2430487").URPN.	USPAT	OR	OFF	2008/04/12 11:30
S53	4	("3648992"   "3836103"   "4249784"   "4552508").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 11:32
S54	5	("5887986").URPN.	USPAT	OR	OFF	2008/04/12 11:33
S55	4	("3015528"   "3431034").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 11:33
S56	86	("4649777").URPN.	USPAT	OR	OFF	2008/04/12 11:35

S57	4	("3796418"   "3921473"   "4345493"   "4402239").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 11:35
S58	7	((("5780807") or ("5922005") or ("5906759") or ("5514154") or ("5759192") or ("6131266") or ("6197048")).PN.	USPAT	OR	OFF	2008/04/12 11:58

4/ 12/ 2008 11:36:44 PM

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